

## CLAIMS

What is claimed is:

- 5           1. A query assist tool providing a dynamically adaptive interface for creating a query  
search condition, comprising:  
  
              means for displaying selectable columns of a table in a first display area;  
              means for displaying selectable query operators in a second display area; and  
10           means responsive to selection of an operator,for displaying selectable options for the  
selected query operator in a third region.
2. The query assist tool of claim 1, further comprising means for displaying a resulting  
search condition in a fourth display area after selection of a column, an operator, and  
15           an option.
3. The query assist tool of claim 1, further comprising means for confirming a selection  
of a column, operator, and operator option.
- 20           4. The query assist tool of claim 3, further comprising means for displaying a resulting  
search condition in a fourth display area in response to a selection confirmation.

5. The query assist tool of claim 3, wherein the means for confirming a selection further comprises one or more of the group consisting of: a selectable button in a fifth display region, a mouse click, a keystroke, and an equivalent of any of the foregoing.
- 5 6. The query assist tool of claim 1, further comprising means for providing a resulting search condition to a query model.
7. The query assist tool of claim 1, the user interface further comprising means for receiving at least a portion of query statement, and means for displaying elements of  
10 the received query statement in a fourth display area.
8. The query assist tool of claim 1, further comprising means for receiving query elements from a query model instance.
- 15 9. The query assist tool of claim 1, further comprising means for receiving at least a portion of a query statement from an application.
10. The query assist tool of claim 1, wherein the means for displaying selectable columns further comprises means for providing a pull-down menu of selectable column  
20 names.

11. The query assist tool of claim 1, wherein the means for displaying selectable operators further comprises means for providing a pull-down menu of selectable operators.

5 12. The query assist tool of claim 1, further comprising means for displaying selectable operators for connecting a plurality of created search predicates in a fourth display region.

10 13. A method for providing a dynamically adaptive interface for creating a query search condition, comprising the steps of:

displaying selectable columns of a table in a first display area;

displaying selectable query operators in a second display area; and

15 in response to selection of an operator, displaying selectable options for the selected query operator in a third region.

14. The method of claim 13, further comprising the step of, after selection of a column, an operator, and an option, displaying a resulting search condition in a fourth display area.

20 15. The method of claim 13, further comprising the step of providing means for confirming a selection of a column, operator, and operator option.

16. The method of claim 15, further comprising the step of displaying a resulting search condition in a fourth display area in response to a selection confirmation.

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17. The method of claim 15, wherein the means for confirming a selection further comprises one or more of the group consisting of: a selectable button in a fifth display region, a mouse click, a keystroke, and an equivalent of any of the foregoing.

18. The method of claim 13, further comprising the step of providing a resulting search condition to a query model.

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19. The method of claim 13, further comprising the step of receiving at least a portion of a query statement, and displaying elements of the received query statement in a fourth display area.

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20. The method of claim 13, further comprising the step of receiving elements of a query from a query model instance.

21. The method of claim 13, further comprising the step of receiving at least a portion of a query statement from an application interface.

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22. The method of claim 13, wherein displaying selectable columns further comprises the step of providing a pull-down menu of selectable column names.

23. The method of claim 13, wherein displaying selectable operators further comprises the step of providing a pull-down menu of selectable operators.

5 24. The method of claim 13, further comprising the step of displaying selectable operators for connecting a plurality of created search predicates in a fourth display region.

10 25. An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer for providing a dynamically adaptive interface for creating a query search condition, the computer program comprising:

program instructions for displaying selectable columns of a table in a first display area;

15 program instructions for displaying selectable query operators in a second display area; and

program instructions for displaying selectable options for the selected query operator in a third region in response to selection of an operator.

20 26. The article of manufacture of claim 25, further comprising program instructions for displaying a resulting search condition in a fourth display area after selection of a column, an operator, and an option.

27. The article of manufacture of claim 25, further comprising program instructions for providing means for confirming a selection of a column, operator, and operator option.

5 28. The article of manufacture of claim 27, further comprising program instructions for displaying a resulting search condition in a fourth display area in response to a selection confirmation.

29. The article of manufacture of claim 27, wherein the means for confirming a selection  
10 further comprises one or more of the group consisting of: a selectable button in a fifth display region, a mouse click, a keystroke, and an equivalent of any of the foregoing.

30. The article of manufacture of claim 25, further comprising program instructions for  
15 providing a resulting search condition to a query model.

31. The article of manufacture of claim 25, further comprising program instructions for receiving at least a portion of a query statement, and program instructions for displaying elements of the received query statement in a fourth display area.

20 32. The article of manufacture of claim 25, further comprising program instructions for receiving query elements from a query model.

33. The article of manufacture of claim 25, further comprising program instructions for receiving at least a portion of a query statement from an application interface.

5 34. The article of manufacture of claim 25, wherein the program instructions for displaying selectable columns further comprise program instructions for providing a pull-down menu of selectable column names.

10 35. The article of manufacture of claim 25, wherein the program instructions for displaying selectable operators further comprise program instructions for providing a pull-down menu of selectable operators.

15 36. The article of manufacture of claim 25, further comprising program instructions for displaying selectable operators for connecting a plurality of created search predicates in a fourth display region.